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<110> ZHOU, Rouli
SHAO, Genze
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RUI, Jingan
ZHANG, Ye
JIN, Yueying
LIN, Ming
ZHANG, Sha

<120> Human Cancer-Relating Genes, the Products Encoded Thereby and Application Thereof

<130> 062331-2002

<140> US 10/540,539

<141> 2006-10-04

<150> PCT/CN2003/001109

<151> 2003-12-24

<150> CN 03109786.3

<151> 2003-04-21

<150> CN 02158110.X

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Ala His Gly Arg Ala Gly Arg Glu Pro Glu Arg Arg Ser Arg Gln

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55

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Gln Arg Arg Gly Gly Leu Gln Ala Arg Arg Ser Thr Leu Leu Lys Thr
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Val Val Leu Leu Ile Leu Leu Ser Ala Leu Ala Asp Pro Asp Gln Tyr
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145 150 155 160

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Cys Ala Met Ala Thr Tyr Gly Ala Tyr Lys Gln Arg Ala Ala Trp Ile
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Arg Gln Leu Pro Pro Asn Phe Pro Tyr Arg Asp Asp Val Met Ser Val
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Tyr Ile Asn Gly Arg Asn Ser Ser Asp Val Leu Val Tyr Val Thr Ser
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Glu Phe Met Asp Asp Ala Asn Met Cys Ile Ala Ile Ala Ile Ser Leu
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Leu Met Ile Leu Ile Cys Ala Met Ala Thr Tyr Gly Ala Tyr Lys Gln
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Arg Ala Ala Trp Ile Ile Pro Phe Phe Cys Tyr Gln Ile Phe Asp Phe
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Ala Leu Asn Met Leu Val Ala Ile Thr Val Leu Ile Tyr Pro Asn Ser
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Ile Gln Glu Tyr Ile Arg Gln Leu Pro Pro Asn Phe Pro Tyr Arg Asp
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Asp Val Met Ser Val Asn Pro Thr Cys Leu Val Leu Ile Ile Leu Leu
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Phe Ile Ser Ile Ile Leu Thr Phe Lys Gly Tyr Leu Ile Ser Cys Val
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Trp Asn Cys Tyr Arg Tyr Ile Asn Gly Arg Asn Ser Ser Asp Val Leu
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Val Tyr Val Thr Ser Asn Asp Thr Thr Val Leu Leu Pro Pro Tyr Asp
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Trp Leu Glu Pro Ala Met Thr Ser Arg Thr Arg Val Thr Trp Pro Ser
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Pro Pro Arg Pro Leu Pro Val Pro Ala Ala Ala Ala Val Ala Phe Gly
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Ala Lys Gly Thr Asp Pro Ala Glu Ala Arg Ser Ser Arg Gly Ile Glu
85 90 95

Glu Ala Gly Pro Arg Ala His Gly Arg Ala Gly Arg Glu Pro Glu Arg
100 105 110

Arg Arg Ser Arg Gln Gln Arg Arg Gly Gly Leu Gln Ala Arg Arg Ser
115 120 125

Thr Leu Leu Lys Thr Cys Ala Arg Ala Arg Ala Thr Ala Pro Gly Ala
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Met Lys Met Val Ala Pro Trp Thr Arg Phe Tyr Ser Asn Ser Cys Cys
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Leu Cys Cys His Val Arg Thr Gly Thr Ile Leu Leu Gly Val Trp Tyr
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Asp Pro Asp Gln Tyr Asn Phe Ser Ser Ser Glu Leu Gly Gly Asp Phe
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Arg Ala Ala Trp Ile Ile Pro Phe Phe Cys Tyr Gln Ile Phe Asp Phe

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Trp Asn Cys Tyr Arg Tyr Ile Asn Gly Arg Asn Ser Ser Asp Val Leu
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<212>PRT

<213> *Homo sapiens*

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Gly Pro Arg Ala His Gly Arg Ala Gly Arg Glu Pro Glu Arg Arg
50 55 60
Arg Ser Arg Gln Gln Arg Arg Gly Gly Leu Gln Ala Arg Arg Ser
65 70 75
Thr Leu Leu Lys Thr Cys Ala Arg Ala Arg Ala Thr Ala Pro Gly
80 85 90
Ala Met Lys Met Val Ala Pro Trp Thr Arg Phe Tyr Ser Asn Ser
95 100 105
Cys Cys Leu Cys Cys His Val Arg Thr Gly Thr Ile Leu Leu Gly
110 115 120
Val Trp Tyr Leu Ile Ile Asn Ala Val Val Leu Leu Ile Leu Leu
125 130 135
Ser Ala Leu Ala Asp Pro Asp Gln Tyr Asn Phe Ser Ser Ser Glu
140 145 150
Leu Gly Gly Asp Phe Glu Phe Met Asp Asp Ala Asn Met Cys Ile
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Ala Ile Ala Ile Ser Leu Leu Met Ile Leu Ile Cys Ala Met Ala
170 175 180
Thr Tyr Gly Ala Tyr Lys Gln Arg Ala Ala Trp Ile Ile Pro Phe
185 190 195
Phe Cys Tyr Gln Ile Phe Asp Phe Ala Leu Asn Met Leu Val Ala
200 205 210
Ile Thr Val Leu Ile Tyr Pro Asn Ser Ile Gln Glu Tyr Ile Arg
215 220 225
Gln Leu Pro Pro Asn Phe Pro Tyr Arg Asp Asp Val Met Ser Val
230 235 240
Asn Pro Thr Cys Leu Val Leu Ile Ile Leu Leu Phe Ile Ser Ile
245 250 255
Ile Leu Thr Phe Lys Gly Tyr Leu Ile Ser Cys Val Trp Asn Cys

260 265 270
Tyr Arg Tyr Ile Asn Gly Arg Asn Ser Ser Asp Val Leu Val Tyr
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317
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<213> *Homo sapiens*

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Gly Gly Asp Phe Glu Phe Met Asp Asp Ala Asn Met Cys Ile Ala
65 70 75
Ile Ala Ile Ser Leu Leu Met Ile Leu Ile Cys Ala Met Ala Thr
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Tyr Gly Ala Tyr Lys Gln Arg Ala Ala Trp Ile Ile Pro Phe Phe
95 100 105
Cys Tyr Gln Ile Phe Asp Phe Ala Leu Asn Met Leu Val Ala Ile
110 115 120
Thr Val Leu Ile Tyr Pro Asn Ser Ile Gln Glu Tyr Ile Arg Gln
125 130 135
Leu Pro Pro Asn Phe Pro Tyr Arg Asp Asp Val Met Ser Val Asn
140 145 150

Pro Thr Cys Leu Val Leu Ile Ile Leu Leu Phe Ile Ser Ile Ile
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Leu Thr Phe Lys Gly Tyr Leu Ile Ser Cys Val Trp Asn Cys Tyr
170 175 180
Arg Tyr Ile Asn Gly Arg Asn Ser Ser Asp Val Leu Val Tyr Val
185 190 195
Thr Ser Asn Asp Thr Thr Val Leu Leu Pro Pro Tyr Asp Asp Ala
200 205 210
Thr Val Asn Gly Ala Ala Lys Glu Pro Pro Pro Pro Tyr Val Ser
215 220 225
Ala
226